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Patent Abstracts of Japan

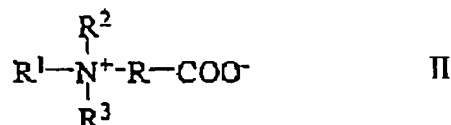
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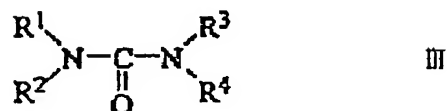
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INVENTOR : AIDA KENJI;



INT.CL. : C09D 11/00 B41M 5/00 C09D167/00

TITLE : WATER-BASE INK



ABSTRACT : PROBLEM TO BE SOLVED: To produce an ink jet recording ink which is excellent in setting density, ink delivery rate, clogging prevention, etc., by distilling a water-soluble org. solvent out of a water/water-soluble org. solvent mixture soln. contg. a neutralization product of a polyester having a specified acid value, a water-insoluble colorant, and a specific water-soluble substance.

SOLUTION: This ink is a water-base dispersion contg., as the dispersoid, a polyester with a water-insoluble colorant adsorbed thereby and is prepd. by distilling a water-soluble org. solvent out of a water/water-soluble org. solvent mixture soln. contg. a neutralization product of a polyester having an acid value of 1-100 mgKOH/g, a water-insoluble colorant, and at least one compd. selected from among water-soluble polyhydroxy compds., substantially water-soluble compds. represented by formulas I to III, and amino acids (salts). In the formulas, R¹ to R⁴ are each H, a 1-5C alkyl, or (aminated) 2-6C acyl provided R¹ and R² are not simultaneously H; R is a 1-5C alkylene; and M is H or an alkali or alkaline earth metal.

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